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subject being 'American University Tendencies.'

DR. F. A. WOLFF, of the National Bureau of Standards, Washington, will discuss 'Modern Methods of Electrical Standardizing' before the Franklin Institute of Philadelphia on March 26.

THE winter term public meeting of the Ohio State University Chapter of the Society of the Sigma Xi was addressed this year by Professor C. B. Morrey, his subject being the 'Uses of Bacteria.' Of especial interest was the elaboration of the author's theory of the bacterial formation of coal and natural gas.

MR. CHARLES A. DAVIS, instructor in forestry, in the University of Michigan, has been engaged to prepare a map showing the distribution of forest trees and soil relations for the Ann Arbor sheet of the topographic atlas soon to be published by the United States Geological Survey.

CABLEGRAMS to the daily papers from New Zealand report the return of the *Morning* which joined the *Discovery* on January 23. The latter ship wintered further south than any previous expedition and Captain Scott with a sledging party penetrated one hundred miles further south than any previous explorer. An extensive mountainous region was discovered, which it is supposed may extend to the South Pole. Two other exploring parties are also said to have made important geographical discoveries. Large collections and numerous observations have also been made. The *Discovery* is expected to return in August.

It is stated in the London *Times* that M. Bialynitsky-Biroulin, the zoologist, who was a member of Baron Toll's Arctic expedition, has given the Irkutsk branch of the Russian Imperial Geographical Society the following information regarding Baron Toll, who left for Siberia in June last to explore Bennett Land and has not been heard of since. M. Biroulin says that he left Baron Toll at Neupoloch Bay on May 11 and proceeded to New Siberia, where he arrived a fortnight later. He left the island on December 4. Before his departure he erected a hut as a depository

for the flesh of thirty reindeer and other preserved food. Baron Toll, M. Biroulin states, left the yacht *Sarja* on June 9 on the islands of the north coast and proceeded to Cape Wyssoki, where he arrived on July 10. Here he deposited a statement to the effect that all was well with him and his followers and that the dogs were in good condition, having had sufficient reindeer meat. Baron Toll started for Bennett Land on July 13 with three sleighs and 45 dogs. If a passage through the ice to the *Sarja* should not be open, M. Biroulin said that Baron Toll intended wintering in Bennett Land.

THE Rev. Dr. John Peate, of Greenville, Pa., known for the reflecting telescopic lenses that he has made while engaged in other work, died on March 24, at the age of eighty-two years.

THE death is announced of M. Gustav Radde, director of the Museum at Tiflis, known for his studies of the natural history of the southwestern Caucasian region.

M. VORONINE, professor of botany in the University of St. Petersburg, has died at the age of seventy-five years.

A TELEGRAM has been received at the Harvard College Observatory from Professor Kreutz, at Kiel, stating that a new star, which is possibly a variable, has been found by Professor Turner, at Oxford. The magnitude was 8.0 on March 16. This object is confirmed on a Harvard photograph taken on March 6, 1903. Invisible on plate and certainly fainter than tenth magnitude on March 1, 1903. A telegram from Professor Geo. E. Hale, at Yerkes Observatory, states that Turner's new star is in the following position. March 27.75 G. M. T., R. A. $6^h 37^m 49^s.0$ Dec. $+30^\circ 02' 38''$. Its color is red and its spectrum shows bright lines or bands.

THE American Social Science Association will meet at Boston on May 14, 15 and 16.

UNIVERSITY AND EDUCATIONAL NEWS.

THE late Ario Wentworth, of Salem, Mass., has made numerous public bequests, including \$100,000 to the Massachusetts Institute of Technology, \$100,000 to the Massachusetts

Society for the prevention of cruelty to animals and \$10,000 to Bates College. The residue of the estate, subject to certain annuities, is to be used for the establishment of an industrial school to be known as the Wentworth Institute. The daily papers state that the estate is valued at \$7,000,000.

MR. ANDREW CARNEGIE has presented to Aberdeen University, of which he is lord rector, nine acres of land as a recreation ground for the students.

DR. S. M. LINDSAY, commissioner of education for Porto Rico, has introduced in the executive council a bill establishing a University of Porto Rico. The institution would be supported by taxation, but it is hoped that it would also receive private gifts and bequests.

COLUMBIA UNIVERSITY will on October 31, 1904, celebrate the hundred and fiftieth anniversary of its foundation as King's College.

REPRESENTATIVES from the principal universities and colleges of New York state met on March 26, at Columbia University, to determine the basis upon which the award of the two Rhodes scholarships for New York state should be made. It was decided that in the state of New York the administration and award of the scholarships shall be intrusted to a committee of three, to be elected by the heads of the colleges for men. The committee will consist of President Butler, three years; President Schurman, two years; Chancellor Day, one year. The conference decided that the conditions regulating the award shall be as follows:

The candidates for the scholarships to be eligible shall have satisfactorily completed the work of at least two years in some college of liberal arts and sciences in the State. Except under extraordinary circumstances, the upper age limit shall be twenty-four years at the time of entering upon the scholarship at Oxford. To be eligible, the candidate shall be a citizen of the United States or the son of a citizen, and must be unmarried.

DR. D. F. O'CONNELL, the new rector of the Catholic University at Washington, has arrived in this country and it is expected that he will be installed during the present month.

FILIBERT ROTH, formerly assistant professor of forestry at Cornell University, and later chief of Forest Reservations in the Department of the Interior, has been appointed professor of forestry in the University of Michigan.

DR. FREDERICK DE FOREST HEALD, now professor of biology in Parsons College, Iowa, has been elected adjunct professor of plant physiology and general bacteriology in the University of Nebraska.

AT Teachers College, Columbia University, Mr. Louis Rouillion has been advanced to the rank of adjunct professor of manual training, and Dr. Maurice A. Bigelow to that of adjunct professor of biology (in charge of zoology).

DR. CHARLES W. SHIELDS, professor of the harmony of science and revealed religion, Princeton University, has resigned. Dr. Shields is seventy-eight years of age.

MR. ROBERT E. BRUCE, now at Pomona College, California, has been appointed instructor in mathematics in Boston University.

DR. J. VENN, F.R.S., known for his contributions to logic and scientific method, has been elected president of Gonville and Caius College, Cambridge.

THE University Court of St. Andrews University has appointed Mr. Bernard Bosanquet, M.A., LL.D., formerly fellow and lecturer of University College, Oxford, to the chair of moral philosophy, in room of Professor William Knight, who has resigned.

MR. V. J. WOOLEY, a student of physiology, has been elected fellow of King's College, Cambridge.

MR. ARTHUR EDWIN BOYCOTT, B.Sc., M.A., has been elected to a fellowship at Brasenose College, Oxford, after an examination in animal physiology.

SIR MICHAEL FOSTER, M.P., who has held the professorship of physiology at Cambridge since its establishment in 1883, has placed his resignation in the hands of the vice-chancellor.

PROFESSOR LAURIE, who has held the chair of education in the University of Edinburgh since 1876, has intimated his resignation.